**AUTOMATIONFEASIBILITYREPORT**

WEB DEVELOPMENT COURSES (WBC) PROJECT

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|  | Prepared By | Reviewed By | Approved By |
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| Role | Interns | Batch Trainer |  |

**AUTOMATION FEASIBILITY:**

The first step in this process needs to be the feasibility analysis. Automation Feasibility analysis in automation testing refers to a checklist on basis of which we can decide that we should proceed with the automation of the test cases or not.

**Automation Feasibility Checklist (AFC):**Automation Feasibility Checklist is used to identify whether the manual test case is feasible for automation or not. The following are the criteria to determine the automation feasibility of the test cases:

**Essential Criteria:**

* Dependencies/Pre-requisites
* Detailed Test steps
* Test Data availability
* Expected results
* Traceability

**Optional Criteria:**

* Subject Matter Expert’s (SME) support
* Duplication of test steps
* Availability of multiple sets of data and Snapshot of AFC

**Benefits of Automation Feasibility Checklist:**

* Reduces the Manual execution effort.
* Improves Automation efficiency.
* Helps to derive effective Manual test cases.
* Control and avoid risks in Automation.

**AUTOMATION FEASIBILIY CHECKLIST MODEL:**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **READINESS CHECK** | **(YES/NO)** |
| 1 | Product Stable? | YES |
| 2 | Any Planned enhancement in near future? | NO |
| 3 | Won't any bug fixes impact major functionalities? | YES |
| 4 | Are the test condition and precondition detailed? | YES |
| 5 | Test case and test data analysis done? | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Accessing the web URL (https://www.practo.com) | 1 | YES | YES |
| 2 | Entering the location as Bangalore | 1 | YES | YES |
| 3 | Entering the hospital in search box | 1 | YES | YES |
| 4 | Identify the first 20 hospitals that has rating more than 3.5 | 1 | YES | YES |
| 5 | Display the Hospital names | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Navigating to book Diagnostic Tests | 1 | YES | YES |
| 2 | Pick all the top cities name & store in a List | 1 | YES | YES |
| 3 | Display the all the top cities | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Navigating back to home page | 1 | YES | YES |
| 2 | Clicking on the view all specialties | 1 | YES | YES |
| 3 | Display all specialties along with price | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 4:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Navigate to bottom of the page | 1 | YES | YES |
| 2 | Under for hospital click on practo drive | 1 | YES | YES |
| 3 | Then provide invalid details | 1 | YES | YES |
| 4 | After entering the invalid details capture the warning message | 1 | YES | YES |

**AUTOMATION FEASEBILITY FOR REQUIREMENT – 5:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **FUNCTIONALITY NAME** | **TEST CASE FOR PARTICULAR FUNCTIONALITY** | **TEST ENVIRONEMENT AVAILABLE FOR AUTOMATION (YES/NO)** | **POSSIBILITY FOR AUTOMATION (YES/NO)** |
| 1 | Navigating to social menu | 1 | YES | YES |
| 2 | Validate Instagram is available under the social menu | 1 | YES | YES |

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| |  | | --- | | **AUTOMATION VS MANUAL TESTING:** | |  | | |  |  |  | | --- | --- | --- | | **TEST PREFERENCES** | **TO AUTOMATE** | **NOT TO AUTOMATE** | | Are the requirements stable? | YES | YES | | Does detailed test cases with predictable results available? | YES | YES | | Tedious and repetitive | YES | YES | | Non-Repetitive or Ad-hoc tasks | NO | NO | | High Regression rate and changing | YES | YES | | Low Regression rate and constant | NO | NO | | |